

Power Cost Memorandum Fuel Cost Update

Date: **May 4, 2023**

Utility Name (Cert. No.) STEVENS VILLAGE ENERGY SYSTEMS (709)	Utility File No. PC18-0314II	Date Filed: March 31, 2023
---	--	--------------------------------------

PCE AMOUNT SUMMARY	Previously Approved PC18-0314HH	Staff Recommended Amount(s) and Effective Date PC18-0314II
Class Rate	<u>Date Approved:</u> April 7, 2023	May 5, 2023
Residential	\$ 0.7640	\$ 0.7640
Community	\$ 0.7640	\$ 0.7640
<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent		<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent

Prior Fuel Purchase Price: \$ 5.6328	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted	New Fuel Purchase Price: \$ 5.2956	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted
Delivery Charge: _____	Surcharge Change: Previous _____	Updated _____	

Weighted Average Fuel Price/Gal. Calculation					
	Gallons		Price		
On-hand before deliv.	-	X	5.6328	=	-
Delivered	2,000	X	5.2956	=	10,593.67
	<u>2,000</u>				<u>\$ 10,593.67</u>
					Weighted Average <u>\$ 5.2956</u>

--

Signed: _____
Brenda Cox

Utility Financial Analyst

Commission decision re. this recommendation :

	Date (if different from 5/4/23)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Kurber		<u>KKT</u>		
Doyle		<u>BD</u> BD		
Pickett		<u>RMP</u> BP		
Sullivan		<u>RMP</u> for DS BP		
Wilson		<u>JWW</u> JWW		

Special Instructions to Staff:

* If this column initialed, Staff will contact the Commissioner for the statement, otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

STEVENS VILLAGE ENERGY SYSTEMS

APPENDIX 2

SCHEDULE OF ELIGIBLE POWER COSTS, SALES, AND EFFICIENCY
FOR TEST PERIOD ENDING September 30, 2014

Fuel Cost Update

			PC18-0314HH	PC18-0314II	
			Prior Commission Approval	Per Utility	Per Staff
Non-Fuel Costs:					
A.	Personnel Expense		34,630	34,630	34,630
B.	Operating Expense		11,487	11,487	11,487
C.	General & Administrative		1,933	1,933	1,933
D.	Depreciation Expense		3,519	3,519	3,519
E.	Interest Expense		-	-	-
F.	Total Non-Fuel Costs		\$51,569	51,569	\$51,569
Fuel Costs:					
G.	Gallons Consumed for Electric Generation		17,028	17,028	17,028
H.	Price of Fuel:(per gal)				
	Weighted Average		\$5.6328	\$5.2956	\$5.2956
I.	Total Cost of Fuel		\$95,915	\$90,174	\$90,174
J.	kWh Generated		161,848	161,848	161,848
K.	kWh Sales		142,419	142,419	142,419
L.	kWh Station Service		Not Reported	Not Reported	Not Reported
M.	Efficiency (J/G)	≥ Standard 10.5	9.50	9.50	9.50
N.	Line Loss	≤ 12%	12.00%	12.00%	12.00%
(KWh Generated -kWh sold)/kWh Generated					

On Hand		X	\$5.6328	=	Weighted
Delivered	2,000	X	\$5.2956	=	Avg
	2,000				\$5.2956

PC18-0314II
Appendix 2

STEVENS VILLAGE ENERGY SYSTEMS

APPENDIX 1

POWER COST EQUALIZATION CALCULATION
FOR TEST PERIOD ENDING September 30, 2014
Fuel Cost Update

	PC18-0314HH	PC18-0314II	
	Prior Commission Approval	Utility Request	Staff Recommended
A. Total kWh Generated	161,848	161,848	161,848
B. Total kWh Sold (Appendix 2)	142,419	142,419	142,419
C. Total Non-Fuel Costs (Appendix 2)	\$51,569	\$51,569	\$51,569
D. Non-Fuel Cost/kWh (C / B)	\$0.3621	\$0.3621	\$0.3621
E. Total Fuel Costs (Appendix 2)	\$95,915	\$90,174	\$90,174
F. Fuel Costs/kWh (E / B)	\$0.6735	\$0.6332	\$0.6332
G. Eligible Costs/kWh (D + F)	\$1.0399	\$1.0399	\$1.0399
H. Eligible Cost/kWh (G) Less 19.58 cents/kWh	\$0.8441	\$0.8441	\$0.8441
I. Lesser of (H) or 80.42 cents/kWh	\$0.8042	\$0.8042	\$0.8042
J. Average Class Rates (Appendix 3)			
Residential	\$0.8742	\$0.8742	\$0.8742
Community	\$0.9042	\$0.9042	\$0.9042
K. Lesser of: (I) x 95% or (J)			
Residential	\$0.7640	\$0.7640	\$0.7640
Community	\$0.7640	\$0.7640	\$0.7640
L. Funding Level in Effect	100%	100%	100%
Residential	\$0.7640	\$0.7640	\$0.7640
Community	\$0.7640	\$0.7640	\$0.7640

PC18-0314II
Appendix 1

STEVENS VILLAGE ENERGY SYSTEMS

Appendix 3

CALCULATION OF AVERAGE CLASS RATE PER kWh

Rate Schedule: **Residential**

Customer Charge (CC): 0

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.1958
0 to 750	1.0700	0.0000	1.0700	802.5000		
751 to						
to						
to						
Max 750			Total	802.5000	1.0700	0.8742

Rate Schedule: **Community Facility**

Customer Charge (CC): 0

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.1958
0 to 750	1.1000	0.0000	1.1000	825.0000		
to						
to						
to						
Max 750			Total	825.0000	1.1000	0.9042

Rate Schedule:

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.1958
0 to						
to						
to						
to						
Max 500			Total			

Rate Schedule:

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.1958
0 to						
to						
to						
to						
Max 500			Total			


Stevens Village Energy Systems

	Date	Gallons	Cost per Gallon	Delivery/ Mark-Up per Gallon	Total Cost
Beginning Fuel Inventory		-			
Last Approved Fuel Cost/Gal.			5.6328		
Beginning Fuel Inventory in Gallons X Last Approved Fuel Cost/Gal. = Beginning Fuel Inventory					\$ -
Reporting Period Purchases	12/07/22	4,000.9	5.2116		\$ 20,851
Electric Utility only paid \$10,593.58		(2,000.5)			\$ (10,257)
Totals for Reporting Period Purchases on this sheet:		2,000			\$ 10,594
Grand Totals (beginning inventory plus purchases)		<u>2,000</u>			<u>\$ 10,594</u>
Total Cost for Reporting Period divided by Total Gallons for Reporting Period =					<u>5.2956</u>
Grand Total Cost divided by Grand Total Gallons =					<u>5.2956</u>

Staff included the Federal Tax - Diesel of \$0.2440, Federal Oil Spill Tax of \$0.0021, and the AK State Fuel Surcharge of \$0.0095 in the cost per gallon listed above. These show on the invoices from Everts Air Fuel and should be included in the cost of fuel.

Signature: Keith Kurber II
Keith Kurber II (May 4, 2023 09:26 AKDT)
 Email: keith.kurber@alaska.gov

Signature: Bob Doyle
Bob Doyle (May 4, 2023 09:35 AKDT)
 Email: bob.doyle@alaska.gov

Signature: 
Bob Pickett (May 4, 2023 11:10 AKDT)
 Email: bob.pickett@alaska.gov

Signature: Janis W. Wilson
Janis W. Wilson (May 4, 2023 11:17 AKDT)
 Email: janis.wilson@alaska.gov